

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 March 2005 (24.03.2005)

PCT

(10) International Publication Number
WO 2005/026415 A1

(51) International Patent Classification⁷: **C25D 5/56**,
5/06, 7/00, 7/06, 17/10, 17/00

(21) International Application Number:
PCT/EP2004/009436

(22) International Filing Date: 19 August 2004 (19.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
103 42 512.8 12 September 2003 (12.09.2003) DE

(71) Applicant (for all designated States except US):
ATOTECH DEUTSCHLAND GMBH [DE/DE];
Erasmusstrasse 20, 10553 Berlin (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GUGGEMOS**,
Michael [DE/DE]; Luisenstrasse 44, 14532 Stahnsdorf
(DE). **KOHNLE, Franz** [DE/DE]; Alt Rudow 36A, 12357
Berlin (DE).

(74) Agent: **EFFERT, BRESSEL UND KOLLEGEN**;
Radickestrasse 48, 12489 Berlin (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

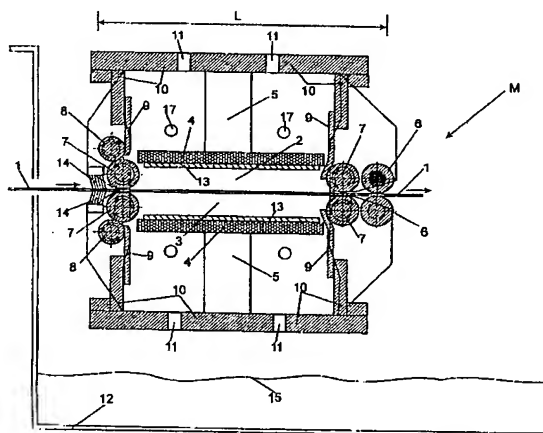
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DEVICE AND METHOD FOR ELECTROLYTICALLY TREATING ELECTRICALLY INSULATED STRUCTURES



(57) Abstract: In order to permit continuous electrolytic treatment of small electrically conductive structures that are electrically insulated against each other on electrically insulating foil material, a device for electrolytically treating electrically conductive structures on surfaces of work pieces (1) that are electrically insulated against each other is provided, said device comprising: a) at least one arrangement, comprising at least one electrode (6) for contacting the work pieces (1) and at least one electrolysis region in a respective one of which at least one counter electrode (4) and the work pieces (1) are in contact with the processing liquid, b) the at least one contacting electrode (4) being disposed outside of the at least one electrolysis region and not being in contact with the processing liquid and c) the at least one contacting electrode (6) and that at least one electrolysis region being spaced so close together that small electrically conductive structures can electrolytically be treated.

WO 2005/026415 A1